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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/759,062	01/20/2004	Chih-Ming Chen	FP9969	6691
S2981	7590	02/16/2007	EXAMINER	
LEONG C LEI			SNIDER, THERESA T	
PMB # 1008			ART UNIT	PAPER NUMBER
1867 YGNACIO VALLEY ROAD			1744	
WALNUT CREEK, CA 94598				
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		02/16/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/759,062	CHEN, CHIH-MING
	<b>Examiner</b>	<b>Art Unit</b>
	Theresa T. Snider	1744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 30 January 2007.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 4 and 5 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 4-5 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application |
|  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Specification***

1. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: the vacuum and ejection tubes being hollow flexible tubes(claim 5).

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 4-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Exemplary of such:

Claim 4, line 1, 'an air' should be replaced with 'the';

Line 5, it is unclear as to what is meant by an outer edge is 'extended'; extended from where? To where?

Line 6, it is unclear as to how an edge can be connected to a head;

Line 8, 'and the bottom' should be replaced with 'and a bottom';

Lines 11-12, it is unclear as to whether the 'air inlet hole' is in addition to the 'air hole' of line 9 or one in the same;

Line 13, it is unclear as to whether 'an air supply connecting head' is in addition to the 'air supply head' of line 3 or one in the same. If it is in addition to the 'air supply head', it is unclear as to the relationship of the two to each other.

***Response to Amendment***

4. Examiner attempted to contact Applicant by phone to discuss possible amendments to the application to put it in condition for allowance. Below is a 'suggested', rewritten claim 4 that is believed to more clearly recite the invention. Please consider amending claim 4 to resemble it.

-- A vacuum cleaner connected with an air supply pump comprising:

an air supply pump comprising:

an air supply head; and

an air inlet head, each of which respectively connects with an air ejection tube and a dust vacuum box of a vacuum cleaner;

a vacuum cleaner comprising:

a dust vacuum box formed of two halves of a cylindrical body, wherein each half is defined by a cylindrical wall closed at one end by an end wall, one half of the cylindrical body includes an outer edge extended beyond the end wall with the outer facing side of the end wall having a connecting head which is connected to the air inlet head and the inner facing side of the end wall engaged with an engageable filter seat whose bottom section is provided with a filter, the other half of the cylindrical body has an air inlet hole in its end wall provided with a blocking plate to restrict any collected dust or debris in the dust vacuum box from discharging out from the air inlet hole;

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a vacuum tube connected at one end to the air inlet hole of the dust vacuum box and having a nozzle at the other end; and  
an air ejection tube connected at one end to the air supply head of the air supply pump and at the other end to an ejection head. --

***Allowable Subject Matter***

5. Claim 4 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
6. Claim 5 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
7. The following is a statement of reasons for the indication of allowable subject matter: the prior art discloses a vacuum cleaner having an air supply pump with an air supply head connected to an air ejection tube and an air inlet head, a dust vacuum box and a vacuum tube HOWEVER fails to disclose or fairly suggest the vacuum box formed of two cylindrical halves wherein one of the halves has an extended outer edge with the center section connected to a connection head which is in turn connected to the air inlet head and a bottom section engageable with a filter seat having a filter mounted thereon and the second half having an air inlet hole with a blocking plate connected to the vacuum tube.

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***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

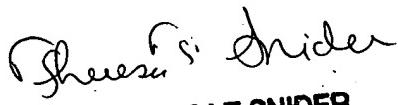
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Theresa T. Snider whose telephone number is (571) 272-1277. The examiner can normally be reached on Monday-Friday (5:30am-2:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gladys Corcoran can be reached on (571) 272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



**THERESA T. SNIDER  
PRIMARY EXAMINER**

Theresa T. Snider  
Primary Examiner  
Art Unit 1744

2/14/07